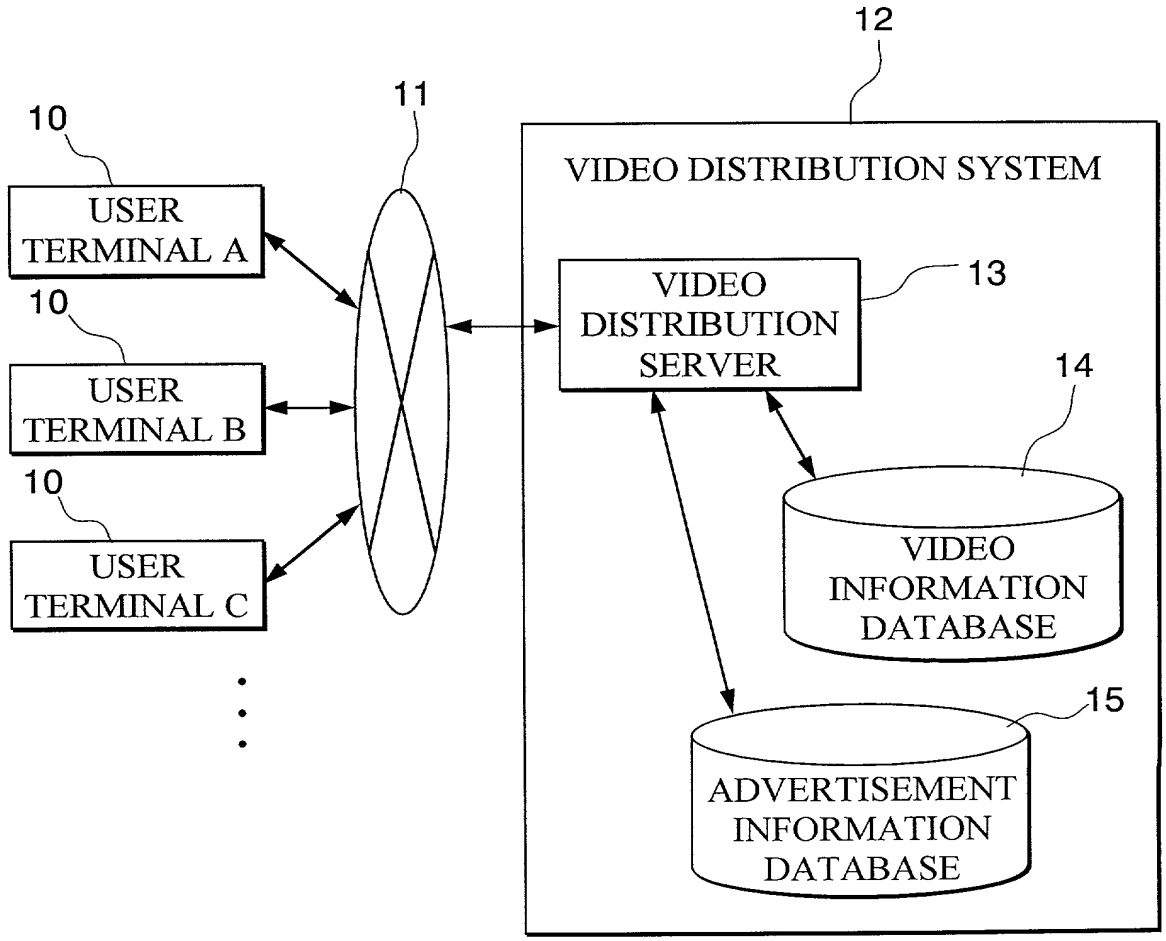
09551800 090504

Fig. 1



T06T60" 08T9S660

Fig. 2

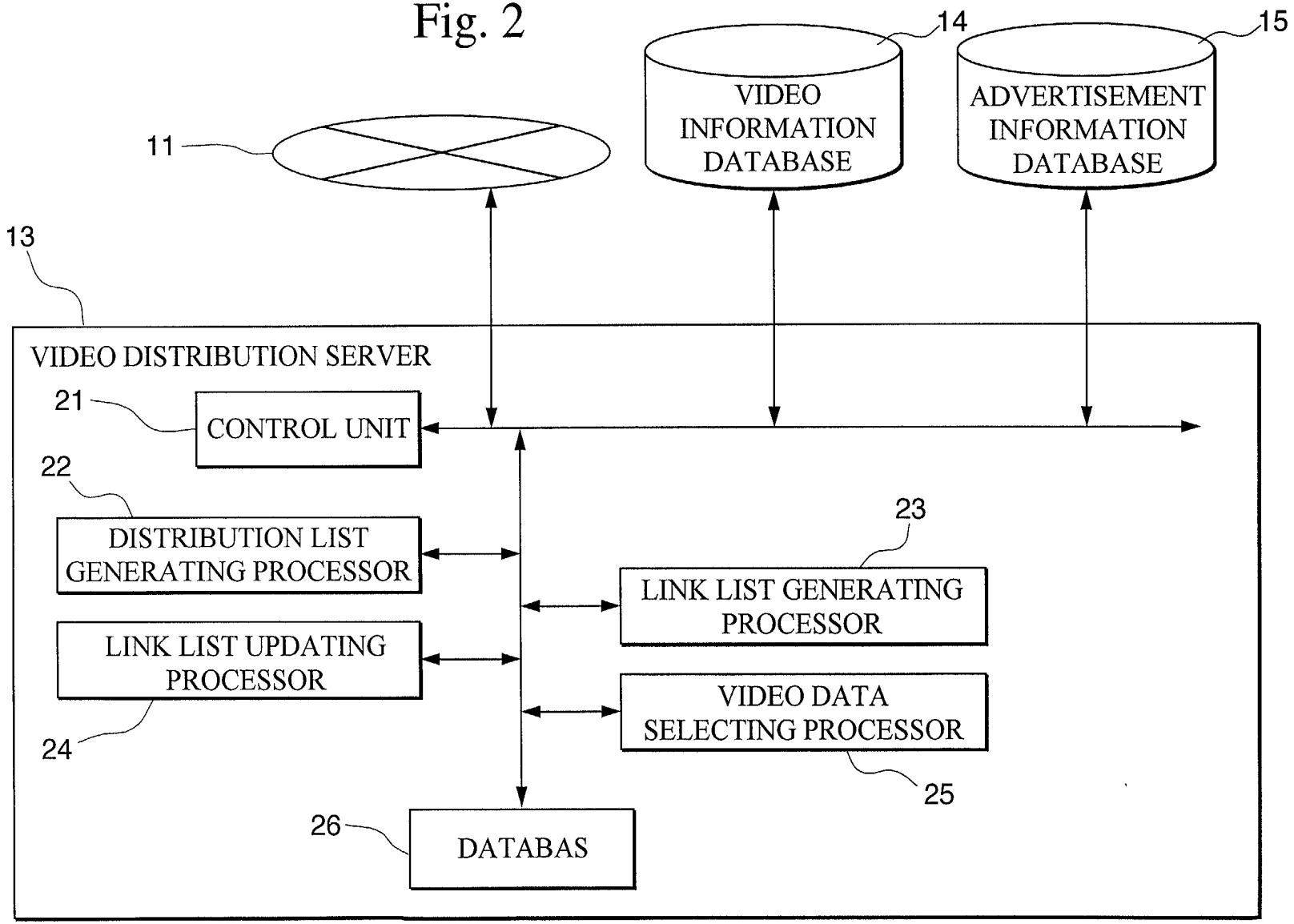


Fig. 3

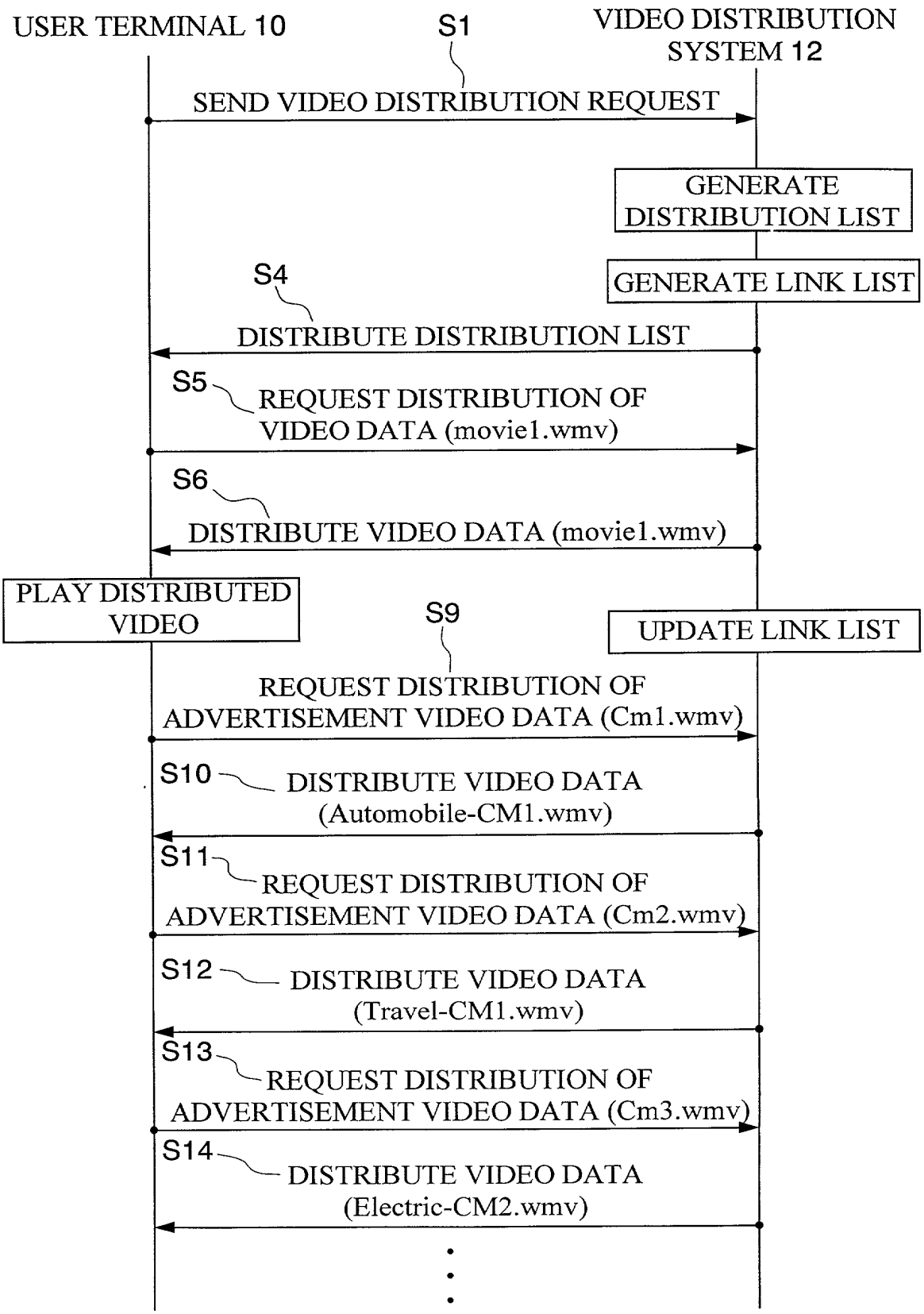

USER TERMINAL 10
S1
VIDEO DISTRIBUTION SYSTEM 12
SEND VIDEO DISTRIBUTION REQUEST
GENERATE DISTRIBUTION LIST
GENERATE LINK LIST
S4
DISTRIBUTE DISTRIBUTION LIST
S5
REQUEST DISTRIBUTION OF VIDEO DATA (movie1.wmv)
S6
DISTRIBUTE VIDEO DATA (movie1.wmv)
PLAY DISTRIBUTED VIDEO
S9
UPDATE LINK LIST
REQUEST DISTRIBUTION OF ADVERTISEMENT VIDEO DATA (Cm1.wmv)
S10
DISTRIBUTE VIDEO DATA (Automobile-CM1.wmv)
S11
REQUEST DISTRIBUTION OF ADVERTISEMENT VIDEO DATA (Cm2.wmv)
S12
DISTRIBUTE VIDEO DATA (Travel-CM1.wmv)
S13
REQUEST DISTRIBUTION OF ADVERTISEMENT VIDEO DATA (Cm3.wmv)
S14
DISTRIBUTE VIDEO DATA (Electric-CM2.wmv)

Fig. 4

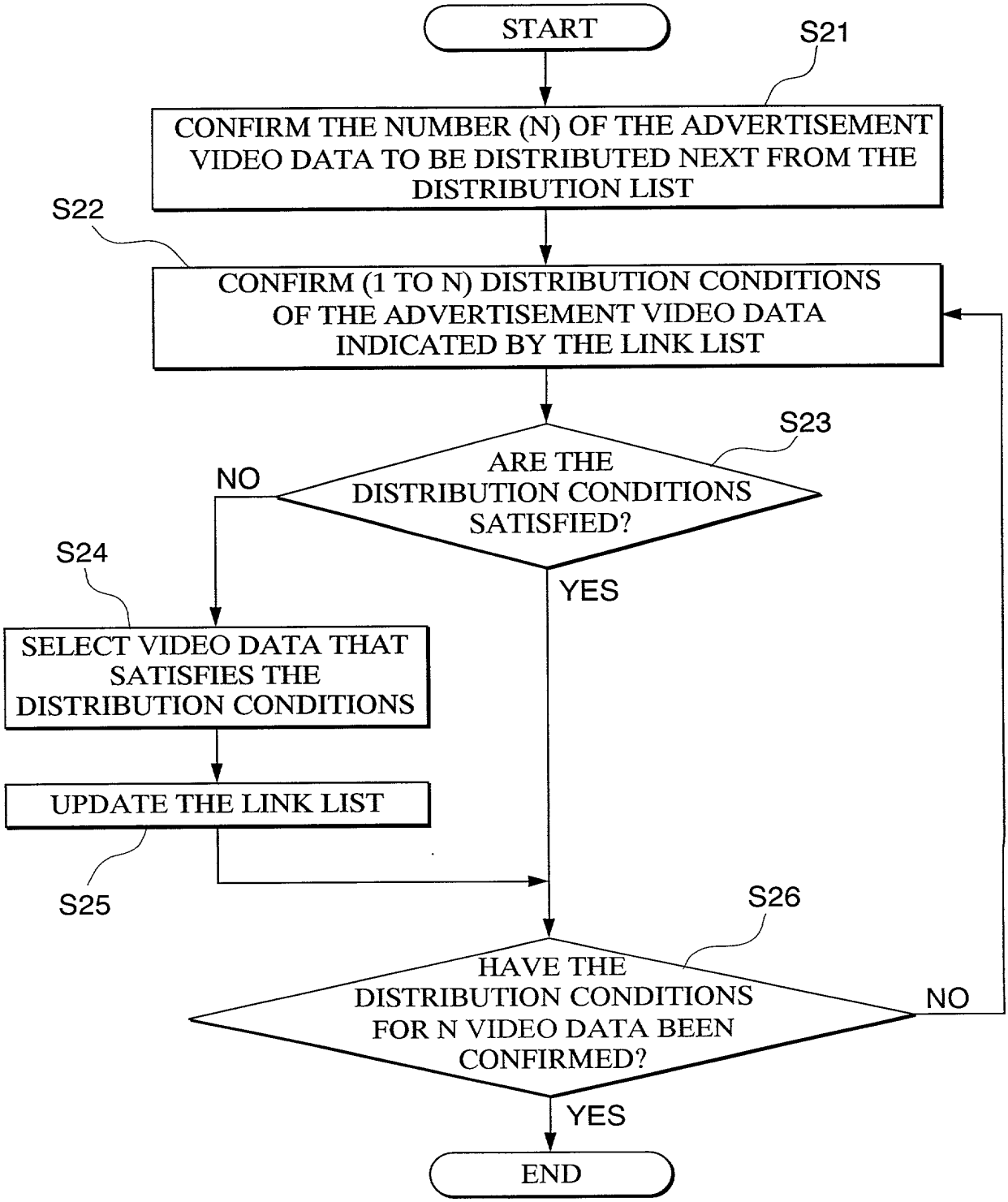

START
S21
CONFIRM THE NUMBER (N) OF THE ADVERTISEMENT VIDEO DATA TO BE DISTRIBUTED NEXT FROM THE DISTRIBUTION LIST
S22
CONFIRM (1 TO N) DISTRIBUTION CONDITIONS OF THE ADVERTISEMENT VIDEO DATA INDICATED BY THE LINK LIST
S23
ARE THE DISTRIBUTION CONDITIONS SATISFIED?
NO
YES
S24
SELECT VIDEO DATA THAT SATISFIES THE DISTRIBUTION CONDITIONS
UPDATE THE LINK LIST
S25
S26
HAVE THE DISTRIBUTION CONDITIONS FOR N VIDEO DATA BEEN CONFIRMED?
NO
YES
END

Fig. 5

```
<ASX version="3.0">
 <Entry>                                                    41
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  <refHREF="mms://MovieServer/movie1.wmv"/>
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  <refHREF="mms://CmServer/Cm2.wmv"/>
  <Duration value ="0:30.0"/>
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 <Entry ClientSkip="no">                                    44
  <StartTime Value ="0:00.0"/>                              )
  <refHREF="mms://CmServer/Cm3.wmv"/>
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 </Entry>
 <Entry>                                                    45
  <StartTime Value ="30:00.0"/>                             )
  <refHREF="mms://MovieServer/movie1.wmv"/>
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 </Entry>
</ASX>
```

Fig. 6A

LINK LIST

Cm1.wmv → Automobile-CM1.wmv

Cm2.wmv → Travel-CM1.wmv

Cm3.wmv → Electric-CM1.wmv

Fig. 6B

LINK LIST

Cm1.wmv → Automobile-CM1.wmv

Cm2.wmv → Travel-CM1.wmv

Cm3.wmv → Electric-CM2.wmv UPDATE LINK DESTINATION

Fig. 7

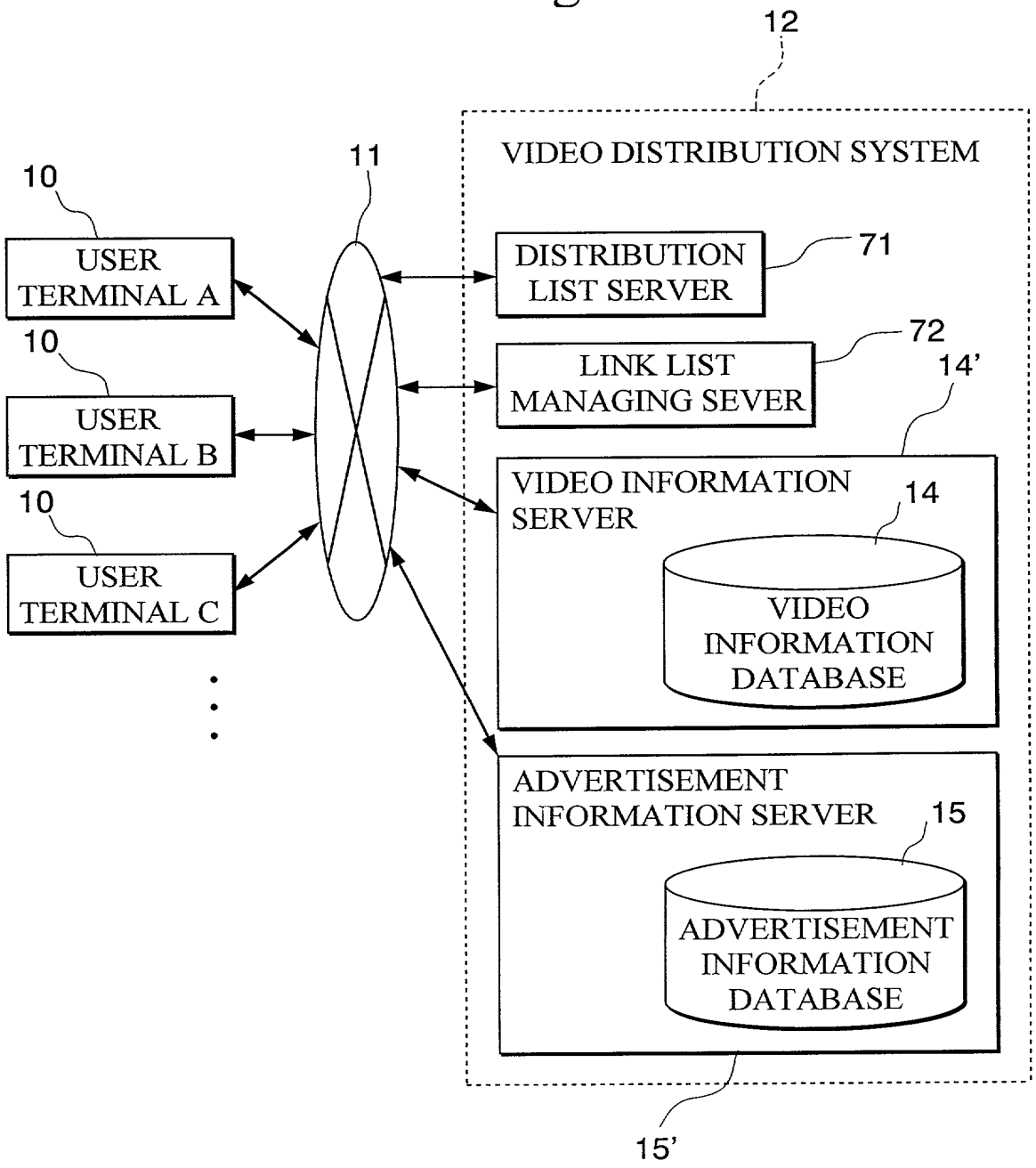

12
VIDEO DISTRIBUTION SYSTEM
11
10
USER TERMINAL A
10
USER TERMINAL B
10
USER TERMINAL C
DISTRIBUTION LIST SERVER
71
LINK LIST MANAGING SEVER
72
14'
VIDEO INFORMATION SERVER
14
VIDEO INFORMATION DATABASE
ADVERTISEMENT INFORMATION SERVER
15
ADVERTISEMENT INFORMATION DATABASE
15'

Fig. 8

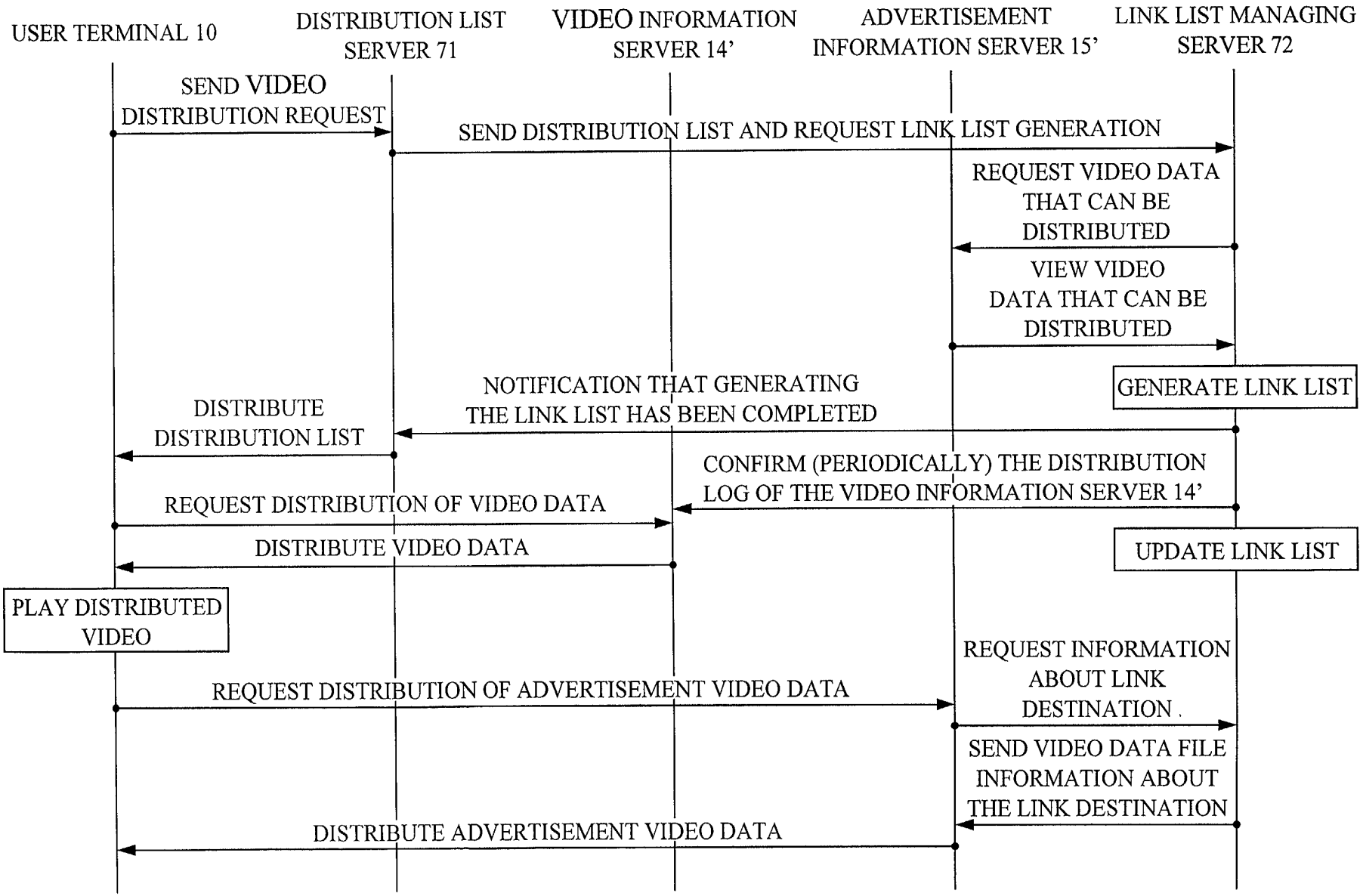

USER TERMINAL 10
DISTRIBUTION LIST SERVER 71
VIDEO INFORMATION SERVER 14'
ADVERTISEMENT INFORMATION SERVER 15'
LINK LIST MANAGING SERVER 72
SEND VIDEO DISTRIBUTION REQUEST
SEND DISTRIBUTION LIST AND REQUEST LINK LIST GENERATION
REQUEST VIDEO DATA THAT CAN BE DISTRIBUTED
VIEW VIDEO DATA THAT CAN BE DISTRIBUTED
GENERATE LINK LIST
NOTIFICATION THAT GENERATING THE LINK LIST HAS BEEN COMPLETED
DISTRIBUTE DISTRIBUTION LIST
CONFIRM (PERIODICALLY) THE DISTRIBUTION LOG OF THE VIDEO INFORMATION SERVER 14'
REQUEST DISTRIBUTION OF VIDEO DATA
DISTRIBUTE VIDEO DATA
UPDATE LINK LIST
PLAY DISTRIBUTED VIDEO
REQUEST INFORMATION ABOUT LINK DESTINATION
REQUEST DISTRIBUTION OF ADVERTISEMENT VIDEO DATA
SEND VIDEO DATA FILE INFORMATION ABOUT THE LINK DESTINATION
DISTRIBUTE ADVERTISEMENT VIDEO DATA

Fig. 9

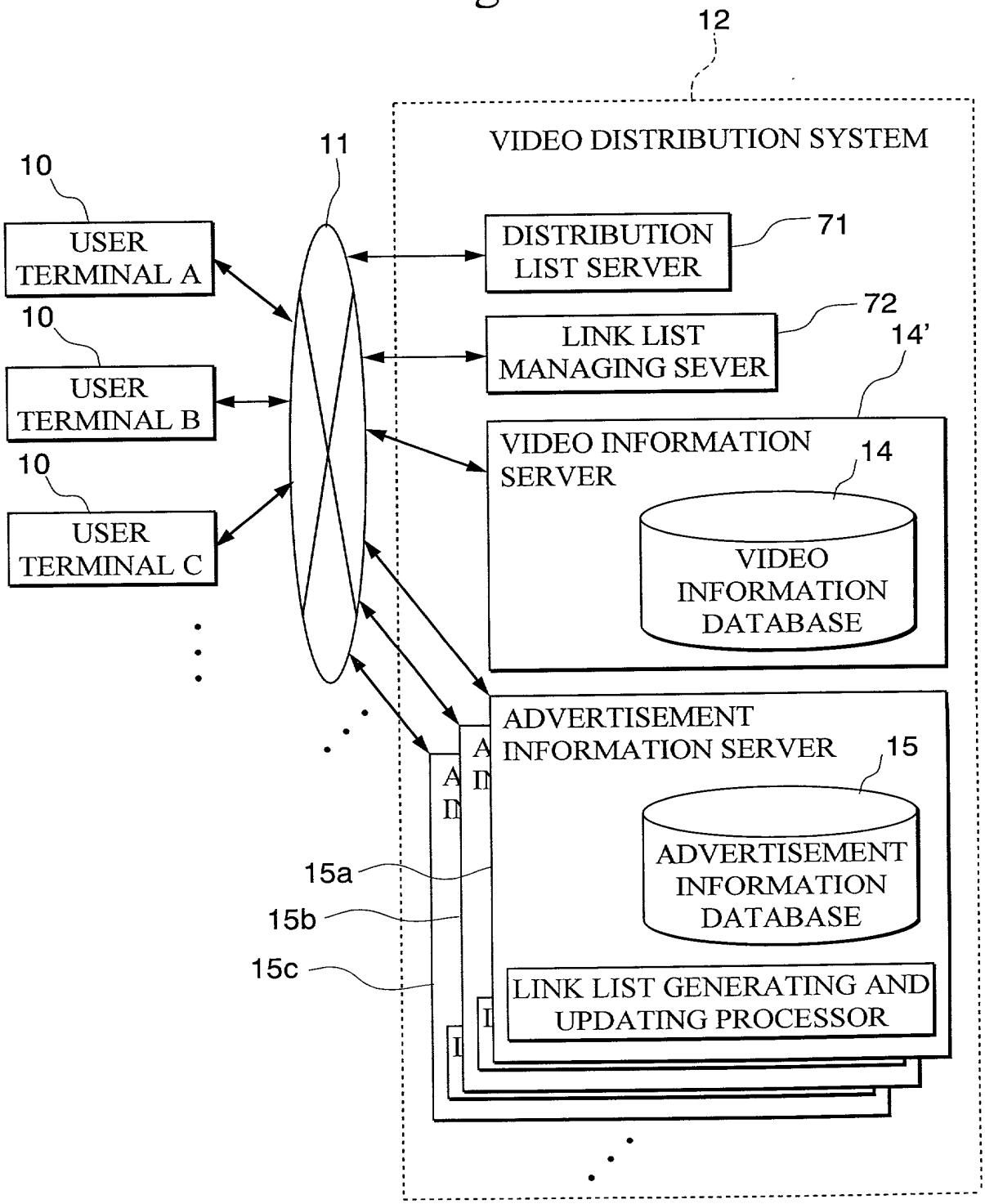
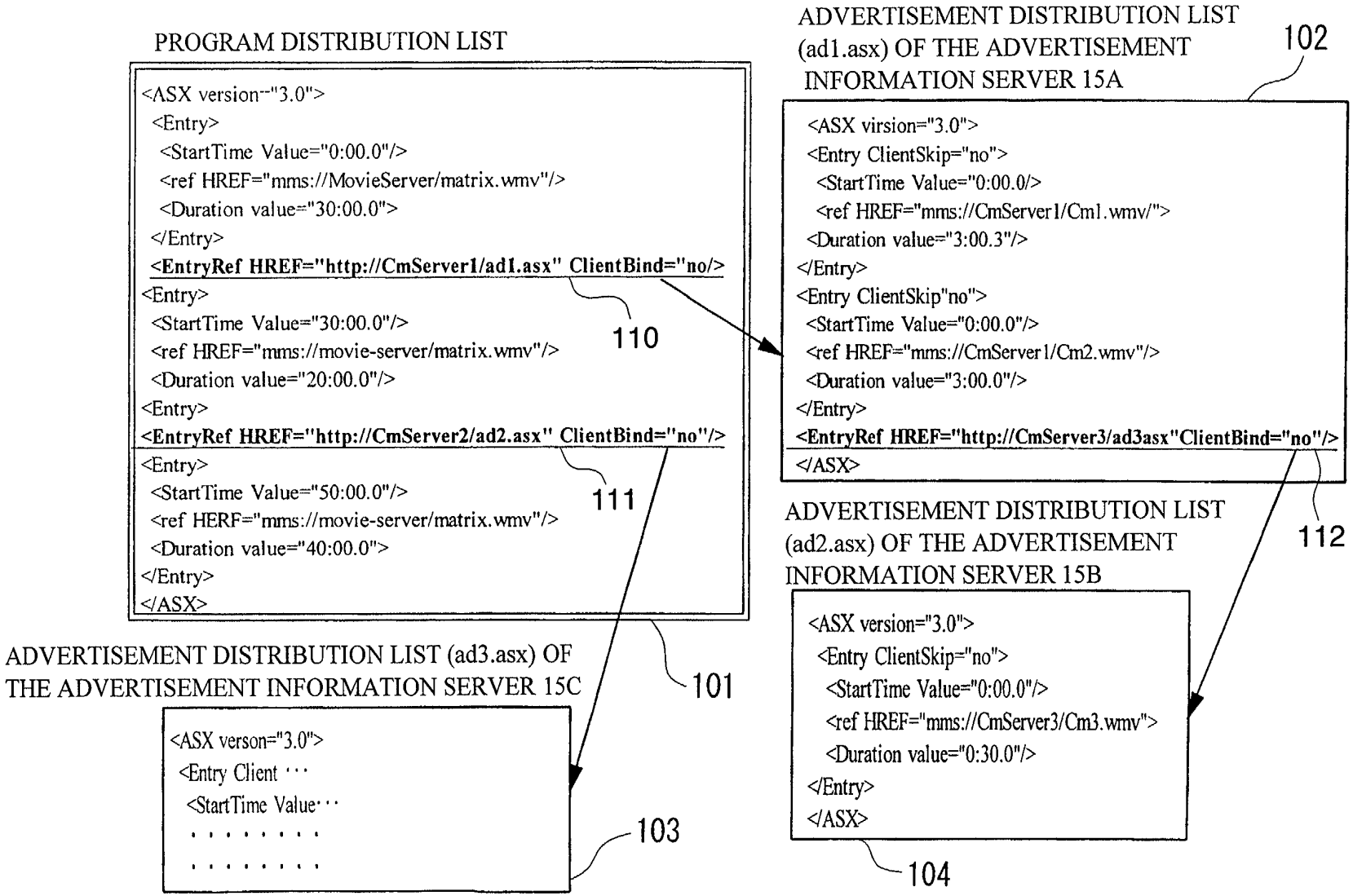

12
VIDEO DISTRIBUTION SYSTEM
11
10
USER TERMINAL A
10
USER TERMINAL B
10
USER TERMINAL C
DISTRIBUTION LIST SERVER
71
LINK LIST MANAGING SEVER
72
14'
VIDEO INFORMATION SERVER
14
VIDEO INFORMATION DATABASE
ADVERTISEMENT INFORMATION SERVER
15
ADVERTISEMENT INFORMATION DATABASE
15a
15b
15c
LINK LIST GENERATING AND UPDATING PROCESSOR

Fig. 10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<Entry>
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<Duration value="40:00.0">
</Entry>
</ASX>
110
111
101
ADVERTISEMENT DISTRIBUTION LIST (ad3.asx) OF THE ADVERTISEMENT INFORMATION SERVER 15C
<ASX verson="3.0">
<Entry Client ···
<StartTime Value···
103
ADVERTISEMENT DISTRIBUTION LIST (ad1.asx) OF THE ADVERTISEMENT INFORMATION SERVER 15A
102
<ASX virsion="3.0">
<Entry ClientSkip="no">
<StartTime Value="0:00.0/>
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<Duration value="3:00.3"/>
</Entry>
<Entry ClientSkip"no">
<StartTime Value="0:00.0"/>
<ref HREF="mms://CmServer1/Cm2.wmv"/>
<Duration value="3:00.0"/>
</Entry>
<EntryRef HREF="http://CmServer3/ad3asx"ClientBind="no"/>
</ASX>
112
ADVERTISEMENT DISTRIBUTION LIST (ad2.asx) OF THE ADVERTISEMENT INFORMATION SERVER 15B
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<Duration value="0:30.0"/>
</Entry>
</ASX>
104